

## AMENDMENTS TO THE CLAIMS

Please amend the claims as they currently stand so that they are in accord with the following listing of the claims:

1. (currently amended) A cardiac pacemaker arrangement comprising:  
[[an]] at least one floating atrial electrode ~~arranged floatingly in the atrium;~~  
a circuit for perceiving atrial signals; [[and]]  
a circuit for ~~stimulating the~~ atrial myocardium stimulation by means of the floating atrial electrode[[, ]]; and  
~~characterized in that in addition there is provided~~ a wall-located electrode, and  
wherein stimulation is effected by means of the wall-located electrode if the circuit, upon perceiving atrial signals, does not detect high-frequency irregularities such as auricular fibrillation or atrial tachycardias as on the basis of inadmissibly high signal frequencies, and  
wherein stimulation is effected by means of the floating atrial electrode if the circuit, upon perceiving atrial signals, detects said high-frequency irregularities.
2. (currently amended) [[A]]The pacemaker arrangement as set forth in claim 1 ~~characterized in that~~ wherein stimulation is effected by means of the floating atrial electrode at high frequency, such as with a cycle length of between about 30 and 100 ms.
3. (currently amended) [[A]]The pacemaker arrangement as set forth in claim 1 ~~characterized in that~~ wherein there are provided two or more floating electrodes.
4. (cancelled)
5. (currently amended) [[A]]The pacemaker arrangement as set forth in claim 1 ~~characterized in that~~ wherein ~~switching over to said circuit switches over~~ to stimulation by means of the floating atrial electrode ~~is effected~~ upon a perception of atrial tachycardias or higher-frequency signals.
6. (currently amended) [[A]]The pacemaker arrangement as set forth in claim 1 ~~characterized in that~~ wherein the floating electrode is associated as a sensor with the circuit for perceiving atrial signals.

7. (currently amended) ~~[[A]]The~~ pacemaker arrangement as set forth in claim 1 ~~characterized in that~~ wherein the wall-located electrode is associated as a sensor with the circuit for perceiving atrial signals.

8. (currently amended) A method of controlling a cardiac pacemaker wherein atrial signals are perceived by means of an electrode arranged in the atrium of the heart and are evaluated in a circuit of the cardiac pacemaker, and wherein in dependence on the perceived signals the circuit triggers stimulation of the myocardium by means of an electrode arranged in the atrium of the heart,

~~characterized in that~~ and wherein the atrial signals are perceived by means of a floating electrode, and wherein

stimulation of the myocardium is basically effected by means of a wall-located electrode, and if the atrial signals are evaluated by the circuit as tachycardias or auricular fibrillation, stimulation of the myocardium is effected by means of a floating electrode.

9. (currently amended) ~~[[A]]The~~ method as set forth in claim 8 ~~characterized in that~~ wherein the circuit evaluates atrial signals as tachycardias or auricular fibrillation if the signal frequency is about 150 Hz or higher.

10. (currently amended) ~~[[A]]The~~ method as set forth in claim 8 ~~characterized in that~~ wherein stimulation is effected by means of the floating electrode at a high frequency such as with a cycle length of between about 30 and 100 ms.

11. (currently amended) ~~[[A]]The~~ pacemaker arrangement as set forth in claim 2 ~~characterized in that~~ wherein there are provided two or more floating electrodes.

12. (cancelled)

13. (cancelled)

14. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 2 ~~characterized in that wherein said circuit switches~~[[ing]] over to stimulation by means of the floating atrial electrode ~~is effected~~ upon a perception of atrial tachycardias or higher-frequency signals.

15. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 3 ~~characterized in that wherein said circuit switches~~[[ing]] over to stimulation by means of the floating electrodes ~~is effected~~ upon a perception of atrial tachycardias or higher-frequency signals.

16. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 4 ~~characterized in that wherein said circuit switches~~[[ing]] over to stimulation by means of the floating electrode ~~is effected~~ upon a perception of atrial tachycardias or higher-frequency signals.

17. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 2 ~~characterized in that wherein~~ the floating electrode is associated as a sensor with the circuit for perceiving atrial signals.

18. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 3 ~~characterized in that wherein~~ the floating electrodes ~~[[is]]~~are associated as ~~[[a]]~~ sensors with the circuit for perceiving atrial signals.

19. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 4 ~~characterized in that wherein~~ the floating electrode is associated as a sensor with the circuit for perceiving atrial signals.

20. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 5 ~~characterized in that wherein~~ the floating electrode is associated as a sensor with the circuit for perceiving atrial signals.

21. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 2 ~~characterized in that~~ wherein the wall-located electrode is associated as a sensor with the circuit for perceiving atrial signals.
22. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 3 ~~characterized in that~~ wherein the wall-located electrode is associated as a sensor with the circuit for perceiving atrial signals.
23. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 4 ~~characterized in that~~ wherein the wall-located electrode is associated as a sensor with the circuit for perceiving atrial signals.
24. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 5 ~~characterized in that~~ wherein the wall-located electrode is associated as a sensor with the circuit for perceiving atrial signals.
25. (currently amended) ~~[[A]]~~The pacemaker arrangement as set forth in claim 6 ~~characterized in that~~ wherein the wall-located electrode is associated as a sensor with the circuit for perceiving atrial signals.
26. (currently amended) ~~[[A]]~~The method as set forth in claim 9 ~~characterized in that~~ wherein stimulation is effected by means of the floating electrode at a high frequency such as with a cycle length of between about 30 and 100 ms.